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Crump et al.

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(54) **ADDITIVE MANUFACTURING SYSTEM
WITH EXTENDED PRINTING VOLUME,
AND METHODS OF USE THEREOF**

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(52) **U.S. Cl.**

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(2013.01); **B29C 67/0059** (2013.01); **B33Y**
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(58) **Field of Classification Search**

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See application file for complete search history.

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(57)

ABSTRACT

An additive manufacturing system for printing three-dimen-
sional parts, the system comprising a heatable region, a
receiving surface, a print head configured to print a three-
dimensional part onto the receiving surface in a layer-by-
layer manner along a printing axis, and a drive mechanism
configured to index the receiving surface along the printing
axis such that the receiving surface and at least a portion of
the three-dimensional part out of the heated region.

19 Claims, 30 Drawing Sheets

